

## **Amendments to the Claims:**

*This listing of claims will replace all prior versions, and listings, of claims in the application:*

- 1) (currently amended) An acoustic waveguide for propagating sound radiation from an acoustic transducer having a throat and a mouth termination, wherein two ~~or more~~ sections lie along the length of said waveguide, wherein the first section is connected to said throat and has a have bounding surfaces that ~~are~~ is substantially Elliptic Cylinder and whose output is directly connected to the second section, which is substantially Prolate Spheroidal and having an output which is said ~~coordinates from the throat to the mouth termination.~~
- 2) (Cancelled) The waveguide of claim 1 having a first and second section wherein; the first waveguide section is Elliptic Cylinder and the second is Prolate Spheroidal.
- 3) (Previously Presented) The waveguide of claim 1 wherein;  
~~the~~ a mouth termination has a radius.
- 4) (Cancelled) The waveguide of claim 2 wherein;  
~~the~~ a mouth termination has a radius.
- 5) (Cancelled) An acoustic waveguide for propagating sound radiation from an acoustic transducer into a sound field wherein the length of said waveguide has a bounding surface that approximates coordinates of the coordinate system Elliptic Cylinder.
- 6) (Cancelled) The waveguide of claim 5 wherein;  
the mouth termination has a radius to the baffle.